## **AMENDMENTS TO THE CLAIMS**

The following listing of claims replaces all prior versions and listings of claims in the application.

## LISTING OF CLAIMS

1. (Currently Amended) A method of recognizing an image of a nozzle hole, comprising:

picturing causing a strobe to intermittently emit light to a nozzle hole of a liquid droplet ejection head in a state of being filled with a function liquid to thereby perform image recognition thereof; and

wherein the nozzle hole is pictured synchronously with the intermittent emitting of light from the strobe, applying with application of a driving waveform to the liquid droplet ejection head, the driving waveform causing single-period micromotion of a meniscus surface of the nozzle hole; and

wherein the picturing image recognition is only performed when the strobe emits light and the strobe only emits light at a timing in which the meniscus surface is pulled into an inside of the nozzle hole due to the driving waveform.

## 2-3. (Cancelled)

4. (Currently Amended) A method of correcting a position of a liquid droplet ejection head, comprising:

the <u>a</u> step of recognizing an image of a position of a nozzle hole of a liquid droplet ejection head by using the method of recognizing an image of a nozzle hole according to claim 1; and

the <u>a</u>step of correcting positional data of the liquid droplet ejection head based on a result of recognition in the recognizing step.

5. (Currently Amended) A method of inspecting a nozzle hole comprising:

causing a strobe to intermittently emit light to picturing a nozzle hole of a liquid droplet ejection head in a state of being filled with a function liquid to thereby check a presence or absence of for foreign matter adhered thereto; and

wherein the nozzle hole is only pictured at a timing when a applying a driving waveform is applied to the liquid droplet ejection head to pulland a meniscus surface of the nozzle hole to anis pulled inside thereof.

wherein the check for foreign matter is only performed when the strobe emits light and the strobe only emits light at a timing in which the meniscus surface is pulled into the inside of the nozzle hole due to the driving waveform.

6. (Currently Amended) The method of inspecting a nozzle hole according to claim 5, wherein the liquid droplet ejection head has a plurality of the nozzle headsholes, and the method further comprising comprises:

the <u>a</u>step of ejecting, for inspection, a function liquid from all ef-nozzle holes of the liquid droplet ejection head toward an inspection area; <u>and</u>

the <u>a</u> step of determining a defective nozzle for determining a nozzle hole <u>by</u>
identifying one of the nozzle holes with poor ejection, based on a result of ejection in the inspection area,

wherein, after the step of determining the defective nozzle, the <u>one</u> nozzle hole with poor ejection is pictured as a <u>nozzle hole to be made</u> an object of inspection, by applying the driving waveform to the liquid droplet ejection head.

7-13. (Cancelled)